

Size	Cubic inches	Bushels <sup>1</sup>	Quarts <sup>1</sup>
¾ barrel .....	5,292	2.46	78¾
½ barrel .....	3,528	1.641	52½
⅓ barrel .....	2,352	1.094	35

<sup>1</sup> Struck measure.

(b) The capacities of the standard cranberry barrel and its subdivisions are as follows:

Size	Cubic inches	Bushels <sup>1</sup>	Quarts <sup>1</sup>
Cranberry barrel .....	5,826	2.709	86 <sup>45</sup> / <sub>64</sub>
¾ cranberry barrel .....	4,369.5	2.032	65 <sup>1</sup> / <sub>64</sub>
½ cranberry barrel .....	2,913	1.355	43 <sup>11</sup> / <sub>32</sub>
⅓ cranberry barrel .....	1,942	.903	28 <sup>29</sup> / <sub>32</sub>

<sup>1</sup> Struck measure.

(Sec. 1, 38 Stat. 1186; 15 U.S.C. 234)

#### § 241.2 Legal standard barrels.

(a) Any barrel having the dimensions specified for a standard barrel for fruits, vegetables, and other dry commodities, other than cranberries, in section 1 of the standard-barrel law, or any barrel or a subdivision thereof having the contents specified in section 1 of the standard-barrel law and in § 241.1(a) regardless of its form or dimensions, is a legal standard barrel for fruits, vegetables, or other dry commodities other than cranberries, or a legal subdivision thereof. No other barrel or subdivision in barrel form is a legal container for fruits, vegetables, or other dry commodities other than cranberries.

(b) Any barrel having the dimensions specified for a standard barrel for cranberries in section 1 of the standard-barrel law, or any subdivision thereof having the contents specified in § 241.1(b), regardless of its form or dimensions, is a legal standard barrel for cranberries or a legal subdivision thereof. No other barrel or subdivision in barrel form is a legal container for cranberries.

(Sec. 1, 38 Stat. 1186; 15 U.S.C. 234)

#### § 241.3 Application of tolerance for "distance between heads."

The tolerance established in this part for the dimension specified as "distance between heads" shall be applied as follows on the various types of barrels in use:

(a) When a barrel or subdivision thereof has two heads, the tolerance

shall be applied to the distance between the inside surfaces of the heads and perpendicular to them.

(b) When a barrel or subdivision thereof has but one head and a croze ring or other means for the insertion of a head, such as an inside hoop, etc., at the opposite end, the tolerance shall be applied to the distance from the inside surface of the bottom head and perpendicular to it to the inside edge of the croze ring, or to a point where the inside surface of a head would come were such head inserted in the barrel.

(c) When a barrel or subdivision thereof has but one head and no croze ring or other means for the insertion of a head, such as an inside hoop, etc., at the opposite end, the tolerance shall be applied to the distance from the inside surface of the bottom head and perpendicular to it to a point 1½ inches from the opposite end of the staves in the case of a barrel or a ¾ barrel, and to a point 1 inch or ⅞ inch from the opposite end of the staves in the case of the ½ barrel and ⅓ barrel, respectively. When a barrel or subdivision thereof has been manufactured with but one head and no croze ring or other means for the insertion of a head at the opposite end, and it is desired to insert a second head, the croze ring shall be so cut that the inside edge shall not be more than 1½ inches from the end of the staves in the case of a barrel or ¾ barrel or not more than 1 inch or ⅞ inch from the end of the staves in the case of the ½ barrel and ⅓ barrel, respectively, or the other means shall be so adjusted that the inside surface of the head when inserted shall not exceed these distances from the end of the staves.

#### § 241.4 Application of tolerance for "diameter of head."

(a) The tolerance established in this part for the dimension specified as "diameter of head" shall be applied to the diameter of the head over all, including the part which fits into the croze ring of the completed barrel.

(b) The tolerance established in this part for the dimension specified as "effective diameter of head" shall be applied as follows on the various types of barrels and subdivisions in use;

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(1) When a barrel or subdivision thereof has two heads, the tolerance shall be applied to the mean of the average diameters from inside to inside of staves at the inner edges of the heads.

(2) When a barrel or subdivision thereof has but one head and a croze ring or other means for the insertion of a head at the opposite end, the tolerance shall be applied to the mean of the average diameters, one taken from inside to inside of staves at the inner edge of the head, the other from inside to inside of staves at the inner edge of the croze ring, or from inside to inside of staves at a point where the inside surface of a head would come were such head inserted in the barrel.

(3) When a barrel or subdivision thereof has but one head and no croze ring or other means for the insertion of a head at the opposite end, the tolerance shall be applied to the mean of the average diameters, one taken from inside to inside of staves at the inner edge of the head, the other taken from inside to inside of staves at a point  $1\frac{1}{8}$  inches from the end of the staves in the case of a barrel or  $\frac{3}{4}$  barrel, or at a point 1 inch or  $\frac{7}{8}$  inch from the end of the staves in the case of a  $\frac{1}{2}$  barrel or  $\frac{1}{3}$  barrel, respectively.

(c) The standard allowance for depth of croze ring shall be  $\frac{3}{16}$  inch. Therefore, the standard "effective diameter of head" in the case of the standard barrel is  $16\frac{3}{4}$  inches and in the case of the standard cranberry barrel is  $15\frac{7}{8}$  inches.

### § 241.5 Standard dimensions.

Whenever in the rules and regulations in this part the error on a dimension is mentioned, this error shall be determined by taking the difference between the actual measured dimension and the standard dimension. The error is an error in excess and is to be preceded by a plus sign when the measured dimension is greater than the standard dimension. The error is an error in deficiency and is to be preceded by a minus sign when the measured dimension is less than the standard dimension.

(a) The standard dimensions of a barrel for fruits, vegetables, and other dry commodities other than cranberries,

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and of a barrel for cranberries, with which the actual measured dimensions are to be compared, are as follows:

Dimensions	Barrel for fruits, vegetables, and other dry commodities other than cranberries (inches)	Barrel for cranberries (inches)
Diameter of head .....	$17\frac{1}{8}$	$16\frac{1}{4}$
Effective diameter of head (see § 241.4) .....	$16\frac{3}{4}$	$15\frac{7}{8}$
Distance between heads .....	26	$25\frac{1}{4}$
Circumference of bulge, outside measurement .....	64	$58\frac{1}{2}$
Length of stave .....	$28\frac{1}{2}$	$28\frac{1}{2}$

(b) In the case of all subdivisions of the barrel for fruits, vegetables, and other dry commodities other than cranberries, and all subdivisions of the barrel for cranberries, the following dimensions are hereby standardized for the purpose of the application of tolerances, and the actual measured dimensions are to be compared with these:

SUBDIVISIONS OF BARREL FOR FRUITS, VEGETABLES, AND OTHER DRY COMMODITIES OTHER THAN CRANBERRIES

Dimensions	$\frac{3}{4}$ barrel (inches)	$\frac{1}{2}$ barrel (inches)	$\frac{1}{3}$ barrel (inches)
Effective diameter of head (see § 241.4) .....	$15\frac{1}{4}$	$13\frac{3}{8}$	$11\frac{1}{8}$
Distance between heads .....	$23\frac{1}{2}$	$20\frac{1}{2}$	18
Circumference of bulge, outside measurement .....	$58\frac{1}{2}$	$51\frac{1}{2}$	$45\frac{1}{4}$

SUBDIVISIONS OF BARREL FOR CRANBERRIES

Dimensions	$\frac{1}{2}$ barrel (inches)	$\frac{1}{3}$ barrel (inches)
Effective diameter of head (see § 241.4) .....	$14\frac{3}{8}$	11
Distance between heads .....	23	$17\frac{1}{2}$
Circumference of bulge, outside measurement .....	$53\frac{3}{8}$	$41\frac{3}{8}$

(Sec. 1, 38 Stat. 1186; 15 U.S.C. 234)

### § 241.6 Classes of barrels for tolerance application.

For the purpose of the application of tolerances, barrels for fruits, vegetables, and other dry commodities other than cranberries, are hereby divided into two classes as follows:

(a) Class 1 shall include (1) all barrels no dimension of which is in error by more than the following amounts, and (2) all barrels one or more of the dimensions of which are in error by more than the following amounts, and which in addition have no dimension in error in the opposite direction: